



PRODUCT SPECIFICATIONS

Granular Urea, 46-00-00

LABEL GUARANTEED ANALYSIS

NUTRIENTS

Total Nitrogen (N)	46.00%
46.00% Urea Nitrogen	

Source of Nutrients: Urea.

Typical Physical Characteristics

Color	White
Bulk density, lb/ft ³	48 - 52
Angle of repose	28 - 32°
Moisture content, wt. %	0.1 - 0.4
Biuret, wt. %	0.85 - 1.5
Conditioning agent, wt. %	0.30 - 0.60
Size Guide Number (SGN)	210 - 230
Uniformity Index (UI)	50 - 55
Pounds of Nitrogen (N) Per Pound	0.460

Available In

2000 lb. Mini Bulk Bag
50 lb. Bag

GENERAL INFORMATION

Urea, 46-00-00, has the highest nitrogen content of all solid nitrogenous fertilizers available. Urea can be applied dry to the soil, or dissolved and applied through irrigation water. Because of the high nitrogen concentration in urea, it is very important to achieve an even spread pattern. Make sure your application equipment is correctly calibrated and properly used. During the summer months, urea is often spread just before rain to minimize losses from volatilization. When drilling, product should not come in contact with or close to seed due to the risk of germination damage.

Urea will dissolve in water for application as a spray or through irrigation systems. Urea will dissolve in its own weight in water, but it becomes increasingly difficult to dissolve as the concentration increases. As a practical guide, when preparing urea solutions for injection or for a spray, dissolve no more than 2.5 lbs. of urea per 100 gallons of water.

Blending Urea with Other Fertilizers

Urea can be blended with monoammonium phosphate or diammonium phosphate. Due to a chemical reaction, urea cannot be mixed with superphosphate unless applied immediately after blending. This reaction will cause the material to be damp and hard to store.

ATTENTION

Keep out of reach of children, pets and livestock. May be an irritant if swallowed. Avoid contact with skin, eyes, or clothing. Refer to the (Material) Safety Data Sheet for important environmental, safety and health information.

Please obtain a (Material) Safety Data Sheet for more information.

For a (Material) Safety Data Sheet on this product please contact the seller or Mears Fertilizer, Inc. at msdsrequest@mearsinc.com.

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Mears Fertilizer, Inc. | P.O. Box 1271 | 629 North Industrial Road | El Dorado, KS 67042
Tel: (316) 321-3674 | Fax: (316) 321-9383 | E-mail: contact@mearsinc.com | www.mearsinc.com

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